Work Order January-15-13 2:			*95611*							Page 1
Revision 1D:	D3188-2M SPACEPOD BODY RH	: - 	Accept	*N900	<u>0</u> 40	100)* s	etup Sta	I VI	S1* S2*
Start Date: 1 Required Date: 2	//15/13 Start Qty: 1.00 2/15/13 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	D:				, -	
	Process Plan: QC:	Date:	Tooling: SPC (Y/N):		 nte:		R	tu'n Sta Sto		R1* R2*
Sequence ID/ Work Center ID Draw Nbr	Operation Description Revision Nbr		Set-Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
D3188	Rev F		—- 	<u>.</u>		_		. <u>-</u>	<u> </u>	
*100 *100* Purchasing	PURCHASING Memo		0.00					<u> </u>	3/0//15	
Purchasing	Issue P/O:	18720 3188-2MBODY 5) D2213 Spacers sitck entificate and Process she	et roquired							

110

Receive & Inspect for Damage & Mat'l Certs

Ship 2 Items from Previous steps

0.00

110 Packaging

Memo

0.00

Packaging

Ensure a copy of certification of conformity and process sheet from Delastek is

attached.

				
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January-15-13 2:41:17 PM

Item ID: Revision ID: Item Name:	D3188-2M SPACEPOD	BODY RH	· ·	Accept		*N900	<u> </u>	100)* s	Setup Stai	171	S1* S2*	
Start Date: Required Date: Reference:	1/15/13 : 2/15/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*			Cust Item Customer					T U	. 12	
Approvals:	Process Pla	an:	Date:				 Date: Date:	- 	F	Run Star Sto	" [V]	R1* R2*	
Sequence ID/ Work Center I	D	Operation Description QC6- Inspect dimensions	s to drawing	Set Up/ Run Hour	s	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
120 QC Quality Control		Memo	oid spot and pins.)AS 16 9-89	13 60 6/23							
130 *130* Packaging Packaging		Identify as per dwg & St Memo	00/0 <u>951</u> 9	2 0.00 0.00	P) 13-08-	ረ ዓ		- 				-
¹⁴⁰ *1∆∩*		QC21- Final Inspection	- Work Order Release	0.00						13/	1/35	4	
QC Quality Control		Memo		0.00							·		-

Mr. or

Work Order ID:

95611

Parent Item:

D3188-2M

Parent Item Name:

SPACEPOD BODY RH

Start Date: 1/15/13

Required Date: 2/15/13

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A New issue ecn882

IPP rev B rev D dwg

06-11-30 EC 07.03.07 ec

IPP rev C rev E dwg

07.04.16 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2213 Insert		Manufactured	No			100	Each	130.0000	8	8,0	(13/0/	116	
				Location ST006	09	<u>Loc Oty</u> 130 130		c Code		<u> </u>		,	,
D3188-2P Spacepod Body		Purchased	No			110	Each	0.0000	1	1	_/.\	3/01	/ /

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GENERAL NOTES: MATERIALS: 1. MOLD SHEDULE: 3) 5) 6) 7)

RESIN: EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40

FIBER: 9.7 oz 7781 WEAVE "S" GLASS (9 oz SATIN)
12 oz UNIDIRECTIONAL FIBERGLASS ("12 oz UNIDIRECTIONAL")

18 oz ROVING "E" GLASS (18 oz CLOTH)

OWENS CORNING MILLED FIBERS, "E" GLASS

3M K20 GLASS BUBBLES

FOAM: A500 CORE CELL

OR DIVINYCELL OR AIREX

OR KLEGECELL

FILL VOIDS IN FOAM WITH PASTE MADE FROM MILLED FIBERS & RESIN

PART	LAYUP	TRIM AND DRILL
D3188-1M/-1/-5	DT8003	DT8501
D3188-2M/-2/-6	DT8004	DT8502
D3188-3M/-3/-7	DT8500	DT8501

- FINISH: INSIDE/OUTSIDE WITH GREY DUPONT HIGHBUILD PRIMER 1144-S. APPLY ANTI-SKID PAINT TO TOP SURFACE OF PODS PER QSI 005 4.4
- TOLERANCES: PER DART OSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- IDENTIFICATION: NONE
- WEIGHT: D3188-1 = N/A

D3188-2 = N/A

D3188-3 = N/A

D3188-5 = N/A

D3188-6 = N/A

D3188-7 = N/A

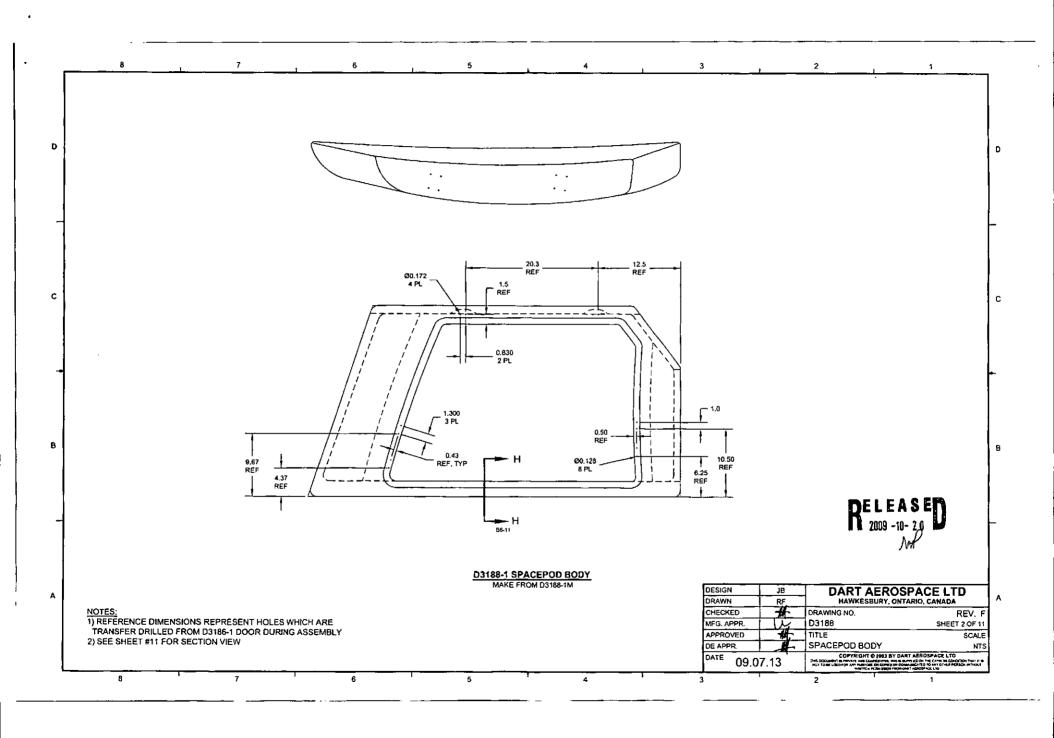
- REFERENCE DIMENSIONS MATCH AIRCRAFT CONTOUR AND DOOR OPENING
- LAMINATE PER DART QSI 006. LAMINATION SCHEDULE PER THIS DRAWING

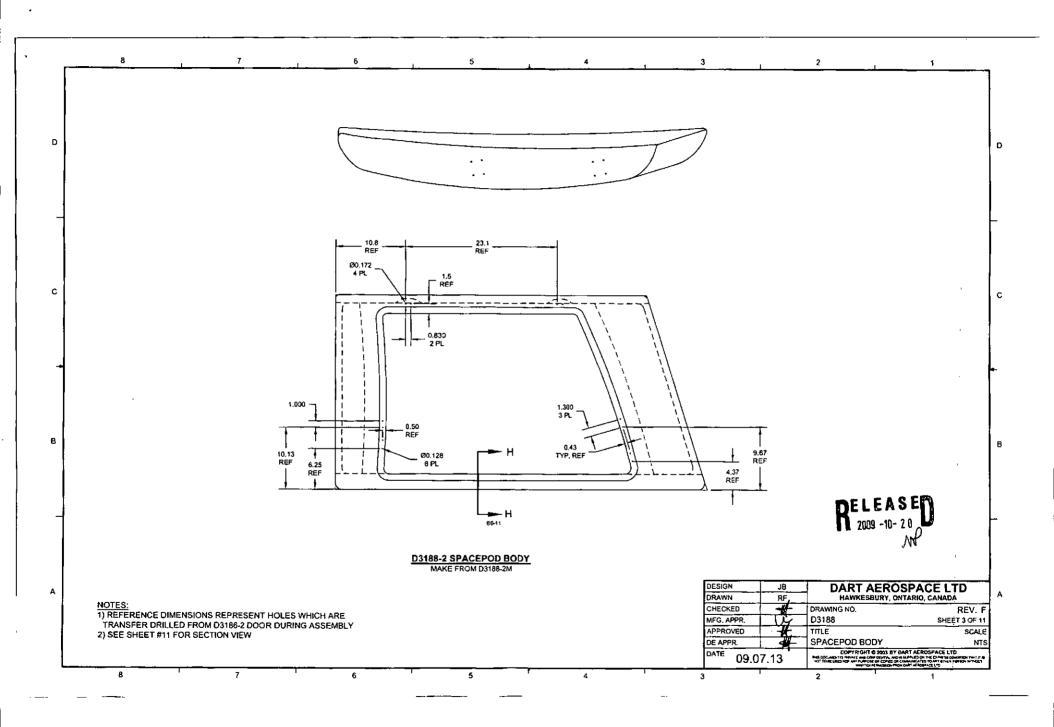
F	REORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENTS STANDARDS; ADD CHAMFER IN SECTIONS A-A (ZN C7-10) & H-H (ZN B7-11)	RF	09.07.13
Ē	ADD HYSOL/ FIBER OPTION ON SHEET 11	СВ	07.04.02
0	UPDATE DIMENSIONS	LE	07.02.22
C	REMOVED D0600-XXX LABELS	LE	06.12.13
В	UPDATED DWG TO MATCH PRODUCT ADDED 03188-1M:-2M/-3M/-5/-6/-7	СВ	06.10.06
A	NEW ISSUE	CP	03.04.03
REV.	DESCRIPTION	BY	DATE

DESIGN	JB	DART AEROS	PACELTD				
DRAWN	RF.	HAWKESBURY, ONTARIO, CANADA					
CHECKED	-4-	DRAWING NO.	REV. F				
MFG. APPR.	17	D3188 ·	SHEET 1 OF 11				
APPROVED	-#	TITLE	SCALE				
DE APPR.	-4	SPACEPOD BODY	NTS				
DATE OO O		COPYRIGHT © 2003 BY DAR	T AEROSPACE LTD				

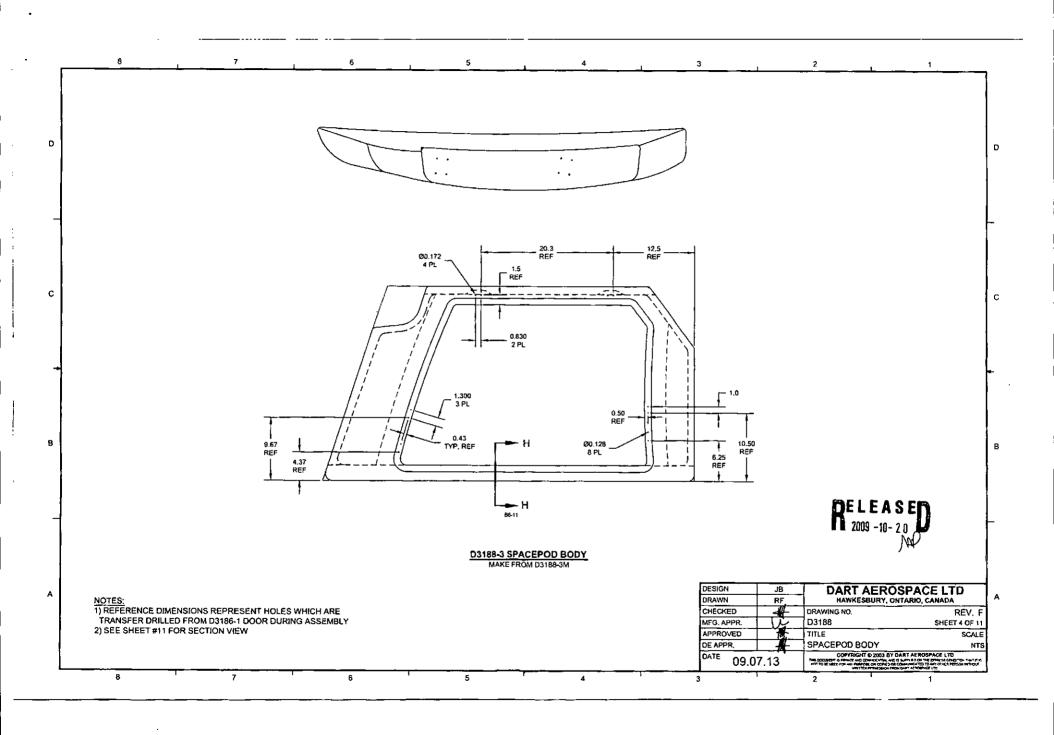
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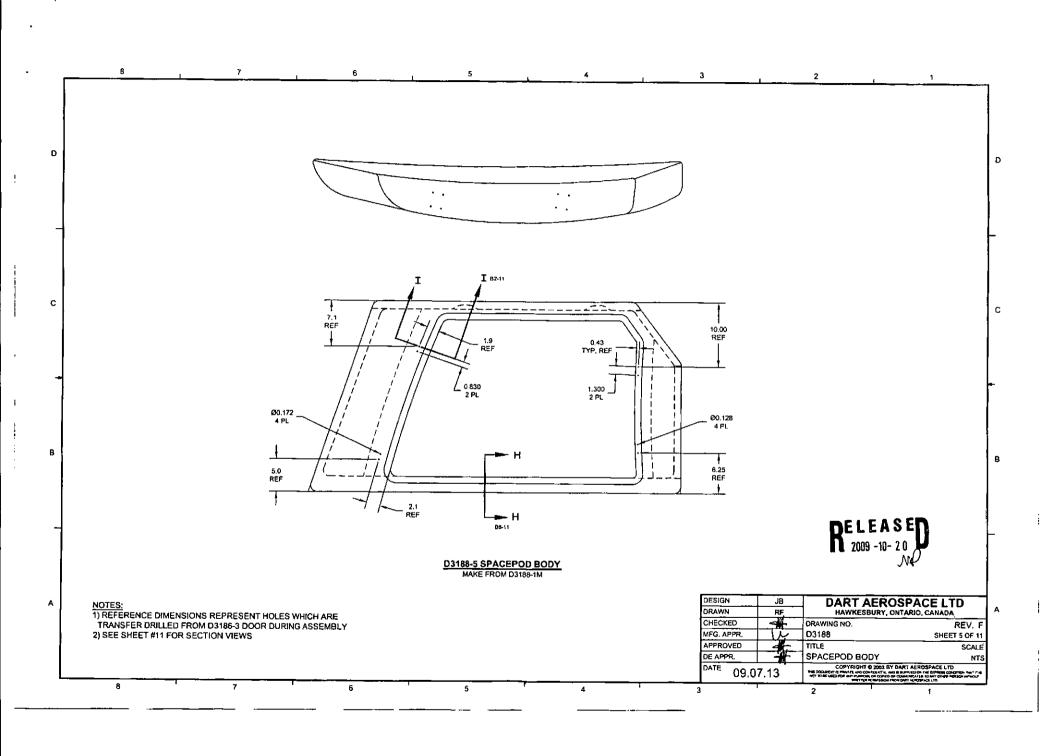




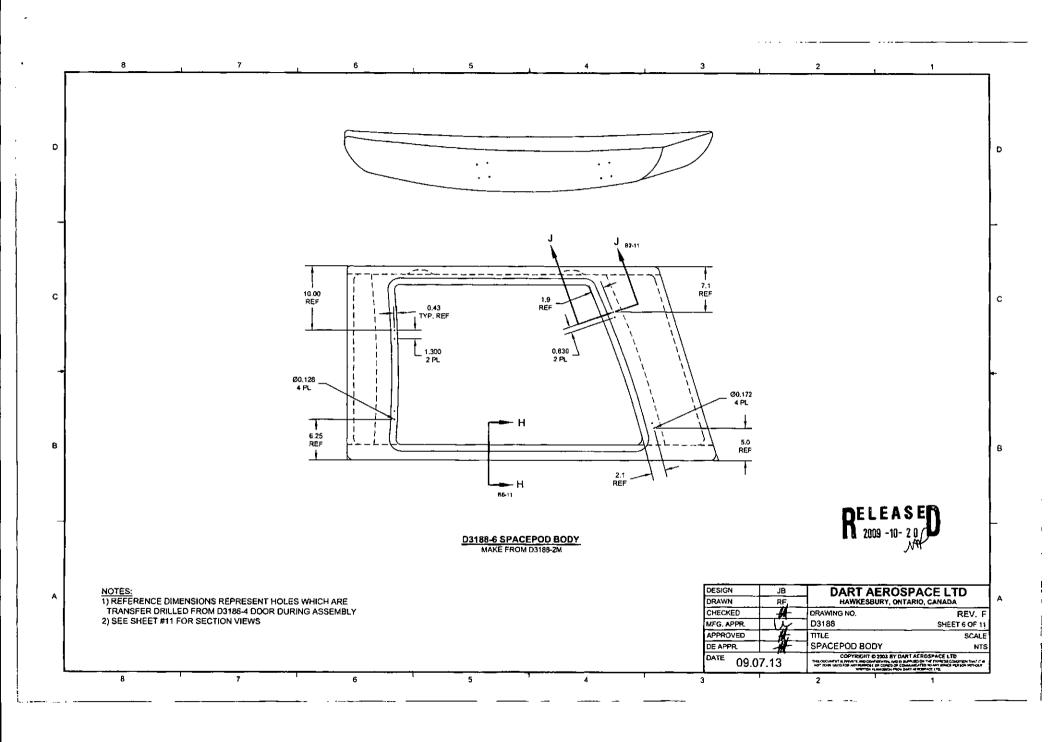
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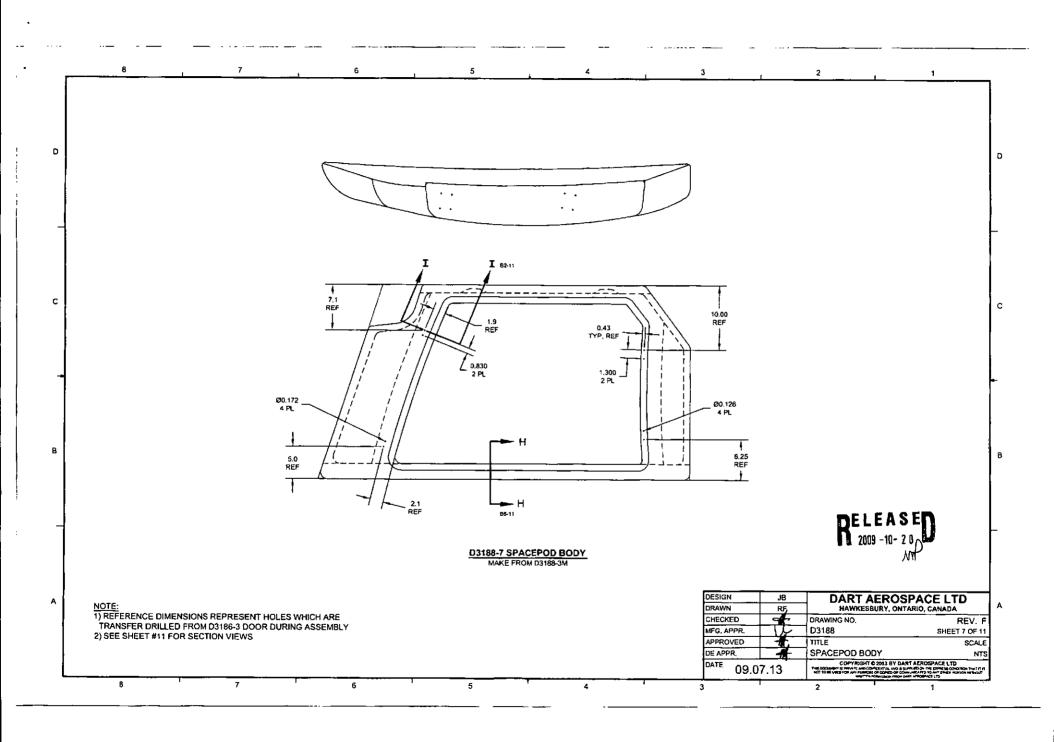
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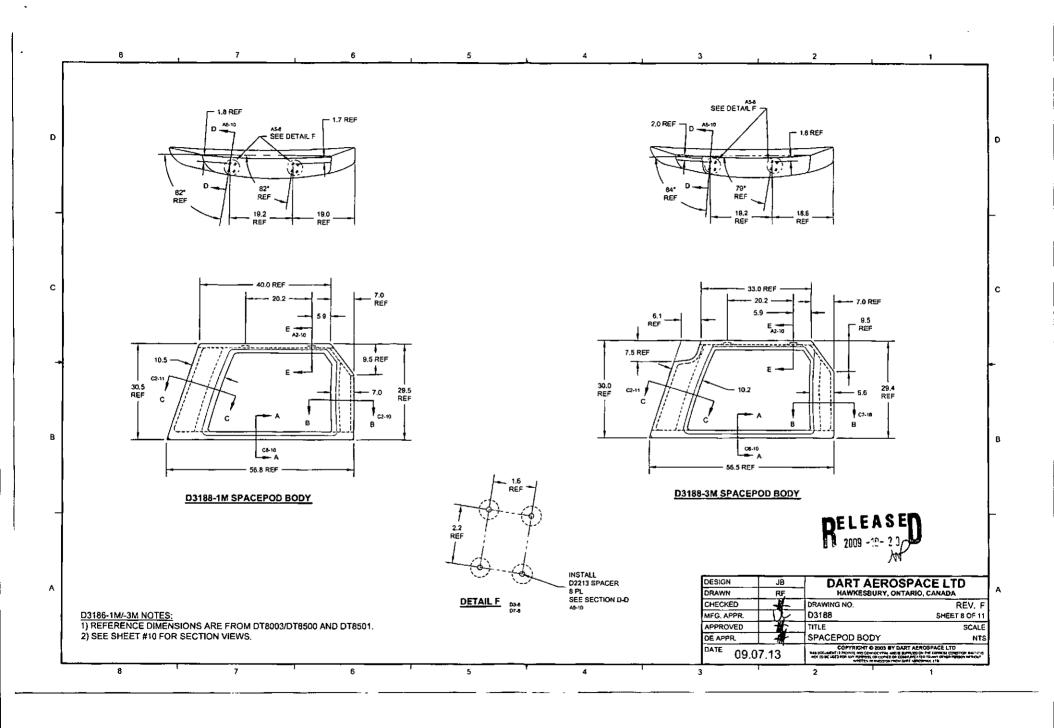
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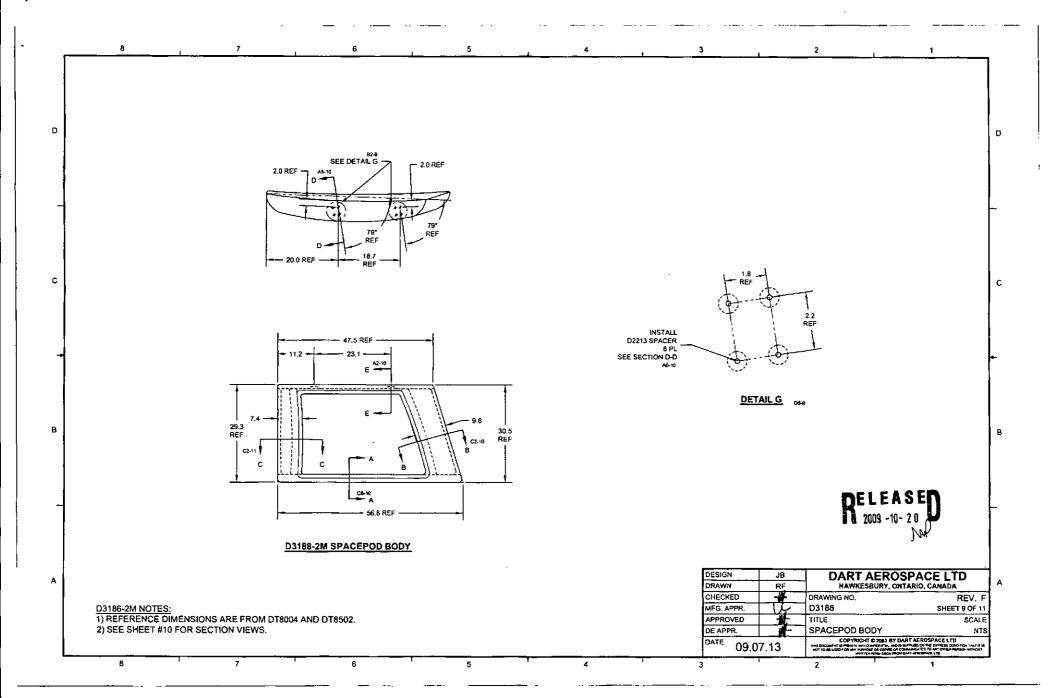
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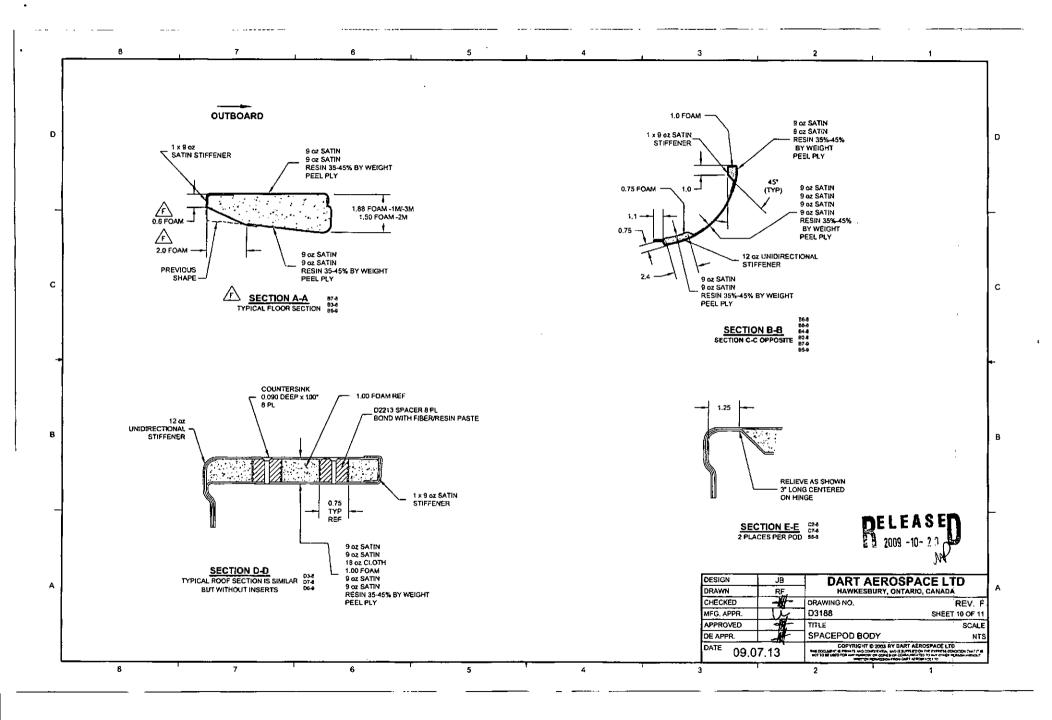
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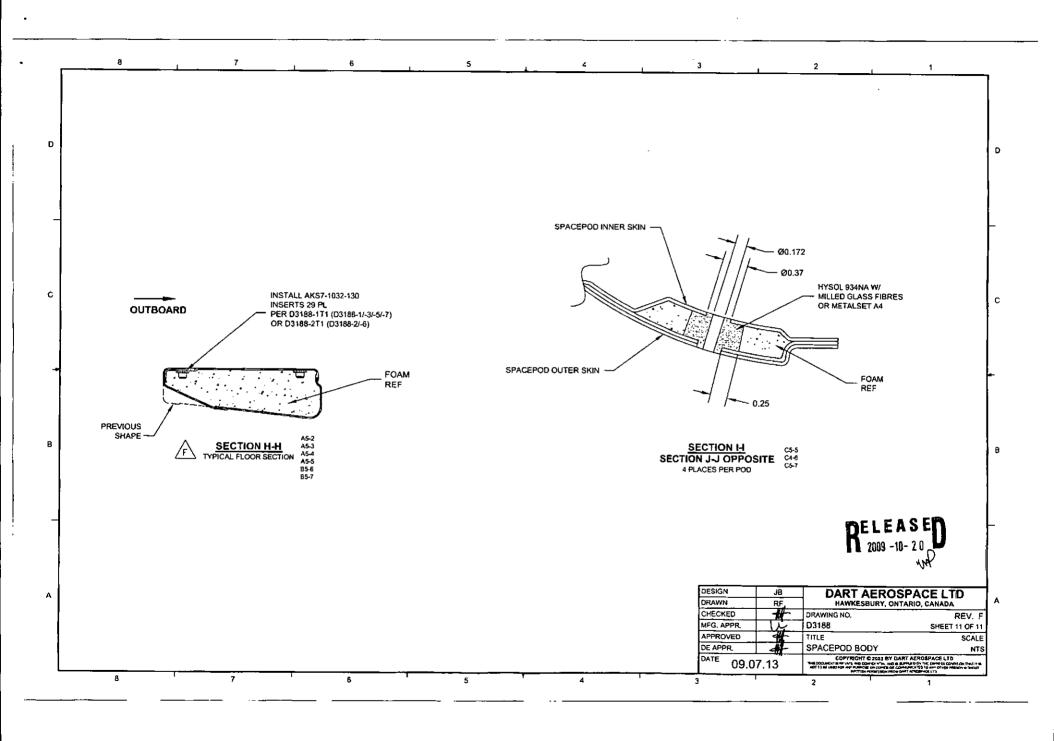
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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 957: Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18720

Purchase Order Date 1/04/13 PO Print Date 1/15/13

Page Number 2 of 2

Order From: 1 U-DEL003 DELASTEK INC 2699 5E AVENUE, LOCAL C.P 10100 GRAND-MERE, QC G9T 5K7 Contact Name Buyer Brigitte Golden Vendor Phone 819 533 5788 Requisition Nbr Vendor Fax 819 533 3494 Tax Resale Nbr 10127-2607 Vendor Account Nbr Net 30 Terms Currency USD **FOB** Destination-Collect Special In ... AS PER DWG D3188 REV. F B95145 D3186-28 Spacepod Door 1/31/13 FedEx Overnigh 1.00 \$750.0000 \$750,00 Yes Each Special Inst: AS PER DWG D3186 REV. E B95612 D3188-2F Spacepod Body 1/31/13 FedEx Overnigh 1.00 \$2,177.0000 \$2.177.00 Yes Each AS PER DWG D3188 REV. F Special Inst: B95611 PO Total: \$8,781.00

> CERTIFICATE OF CONFORMITY REO'D UPON DELIVERY

MATERIAL CERTIFICATION REQID UPON DELIVERY



No substitution or deviation without

Certificate of Conformity or Material Certification required - YES NO

Change Nbr:

Change Date: 1/15/13

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DELASTEK Inc. 2699 5e Avenue Local 14, C.P. 10100 Grand-Mère, Québec G9T 5K7 Canada

Tel.: (819) 533-5788 Fax: (819) 533-3494

PACKING SLIP CERTIFICATE OF COMPLIANCE

Invoice No.	47947
Customer No.	DART US

Customer No. DART US
1

DART AEROSPACE LTD 1270, Aberdeen Street Hawksbury, Ontario K6A 1K7

Bill To

Canada

Telephone: 613-632-5200 Contact: Linda Lacelle

Ship To DART AEROSPACE LTD

Accepted by:

Quality department

AQ-357

1270, Aberdeen Street Hawksbury, Ontario K6A 1K7

Canada

Telephone: 613-632-5200 Contact: Linda Lacelle

Ship Date	Order Da	te Our S	SO #	Ordered by		Your PO#	Terms	
06-05-2013	22-01-201	13 227	31	Brigitte Golde	n	18720	Net 30 days USA	
Shi	ip Via			CO.B.		Salesperson	GST/PST	
FEDEX	PI Collect		Point	de départ	Mat	Mathieu Doucet, ext.690		
Order Qty	B.O. Qty	Current Ship.		Item number		Descrip	otion	
	0		DKC13	34-0071	Dwg. D31	v° D3188-2M, Spacepod Bo 188 Rév.: F rial # 901	Dody RH B95611 U of M: Chaque Lot # 48901	

It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications. All such records are on file at our plant and available for review upon request

Cust. Adm. ☐ Quality ☐ Ship.

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DELASTEK AERONAUTIQUE



Mercredi, 2013-01-30 10:29:08 Date Uhilsaleur: Mario Chantal Feuille de Procédé Client : DART US DART AEROSPACE Nom Dessin : SPACEPOD BODY RH Numéro Job : 48901 Numéro Article DKC134-0071 Numéro : 3763 Numéro Dessir Numéro B.A. Projet Numéro OK-362 Cette fois : 2013-01-30 Révision dessir. Prsht Rev. : NC Matériel : Fibre 7781 et résine 411-350 Prem. fois Date Dûe : 2013-02-25 Qté: Ud UNITE Job précédente : 45779 Ecrit par Vérifié & Approuvé par Commentaires : N° de dessin; D3188-2M rev. F E.O.: N/A Feuille de Procédé Rév.: 06 AMB0349 remplacé par AMB0511 (réf. RFC #226) Formulaire d'inspection: N/A Produit additionnel Numéro Job: #Séq.: Machine ou Description: 1.0 AAC1616 Nº 83634, Frekate Loctite Wolo Comment Qty.: 0.050 UNITE(s)/Unit Total: 0.050 UNITE(s) N° 83634, Frekote Loctite Wolo N° de Lot: 2.0 PRÉPARATION Préparation du moule Comment Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs Faire la préparation du moule salon IF134-0020. Date Sceau: 3.0 AAC1885 Tissu à délaminer Release Comment Oty.: 9.84 VERGE(s)/Unit Total: 9.84 VERGE(s) Tissu à délaminer Release ply B # de Lot: 4.0 AAC1887 Wrightion 5200 Bleu P3 Comment Qty.: 9.27 VERGE(s)/Unit Total; 9.27 VERGE(s) Wrightlon 5200 Bleu P3 # de Lot:

Feutre de drainage N° Airweave N 10

6.00 VERGE(s)

5.0

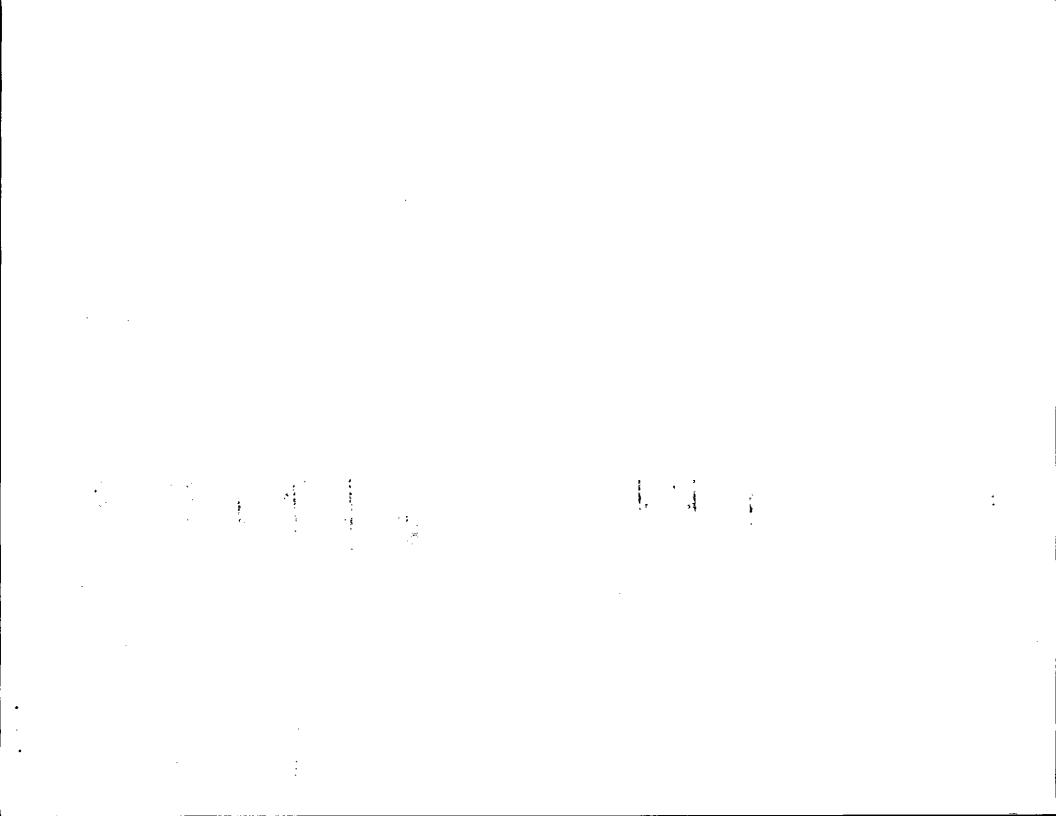
Comment

AC0885

Qty.:

6.00 VERGE(s)/Unit

Total:



мыстеот, 2013-01-30 10:29:08 Utilisateur: Mario Chantal Feuille de Procédé Cllent: DART US DART AEROSPACE SFACEPOD BODY RH Numéro Job: 48901 Numéro - DKC134-0071 Numéro Job: # Séq.: Machine ou Opération: 6.0 AC0943 Stretchlon 200 poche à vide Ven Comment Qty.: 7.00 VERGE(s)/Unit 7.00 VERGE(s) Total: AM80214 9.7 oz Weave "S" glass #FG-77818 -125Y Volan Finish Comment Qty.: 11.4 VERGE(s)/Unit Total: 11.4 VERGE(s) 9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish 0.8 AMB0511 N° TG-13-U, Fiberglass 13 or: Comment Qty... 0.80 VERGE(s)/Unit Total: 0.80 VERGE(s) N° TG-13-U, Fiberglass 13 oz N° de Lot: 9.0 AMB0213 WR1850 Roving 18oz. x 50 Comment 0.350 KILOGRAMME(s)/Unit Total: Qty.: 0.350 KILOGRAMM WR1850 Roving 18oz. x 50" N° de Lot: 10.0 Comment 4.0000 ROULEAU(s)/Unit Total: Qty.: 4.0000 ROULEAU(s) 11.0 Préparation du matériel Comment Setup: 0.00Hrs/ Run: 45.0000Min Total Run: 0.7500Hrs Tailler les tissus selon IF134-002 12.0 AMB0286 Catalyst N° DDM-9 Comment Qty.: 0.0640 GALLON(s)/Unit Total; Catalyst N° DDM-9 N° de Lot: 13.0 AMB0212 Résine (411B7530) 411-350 pron 🗸 75 trin Comment Qty: 2.000 LITRE(s)/Unit Total: 2.000 LITRE(s) Résine (41187530) 411-350 promo. 75min. 14.0 Fibre de verre Miapoxy 66 Comment Qty.: 0.0040 GALLON(s)/Unit Total: 0,0040 GALL Fibre de verre Miapoxy 66 N° de Lot: 15.0 PREP-GENERAL Préparation du matériel Comment Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs Laminer la 1ère coquille selon <u>IF</u>134-0020.

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Date: Mercredi, 2013-01-30 10:29:08 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE Nom Dessin: SPACEPOD BODY RH Numero Job: 48901 Numéro Da.C134-0071 Numero Job: # Séq.: Machine ou Opération: Description: 16.0 AMB0355 ATC core-cell A500 plain 4'x8' 1" 15 ick Comment Qty.: 0.750 FEUILLE(s)/Unit Total: 0.750 FEUILLE(s) ATC core-cell A500 plain 4'x8' 1" thick N° de Lot: 1-38256 -- 1 17.0 TAILLAGE Faire le taillage du matériel Comment Setup: 0.00Hrs/ Run: 120.0000Min Total Run: 2.0000Hrs Tailler et ajuster les Foam Core selon IF134-0020. 3 Sceau: 18.0 AMB021 Résine (411B7530) 411-350 promo. 75min. Comment 0.136 KILOGRAMME(s)/Unit Total: Qty.: 0.136 KILOGRAMME(s) Résine (411B7530) 411-350 promo. 75min. N° de Lot: 1-39738-/ 19.0 AMB0286 Catalyst N° DDM-9 Comment Qty.: 0.0096 GALLON(s)/Unit Total: 0.0096 GALLON(s) Catalyst N° DDM-9 N° de Lot: 1-27829-1 20.0 FINITION Finition Générale Setup: 0.00Hrs/ Run: 20.0000Min Total Run: 0.3333Hrs Sceller les foam core selon IF134-0020 21.0 Percage de trous Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Percer les foam core selon IF134-0 Date: 22.0 AAC1611 Polybond B46F Qty.: 0.078 KIT(s)/Unit Total: 0.078 KIT(s) Polybond B46F N° de Lot: 1-29 ASSEMBLAGE 23.0 Assemblage mécanique Comment Setup: 0.00Hrs/ Run: 60.0000Min Total Run : 1.0000Hrs

Installer les foam core selon IF134-0020.

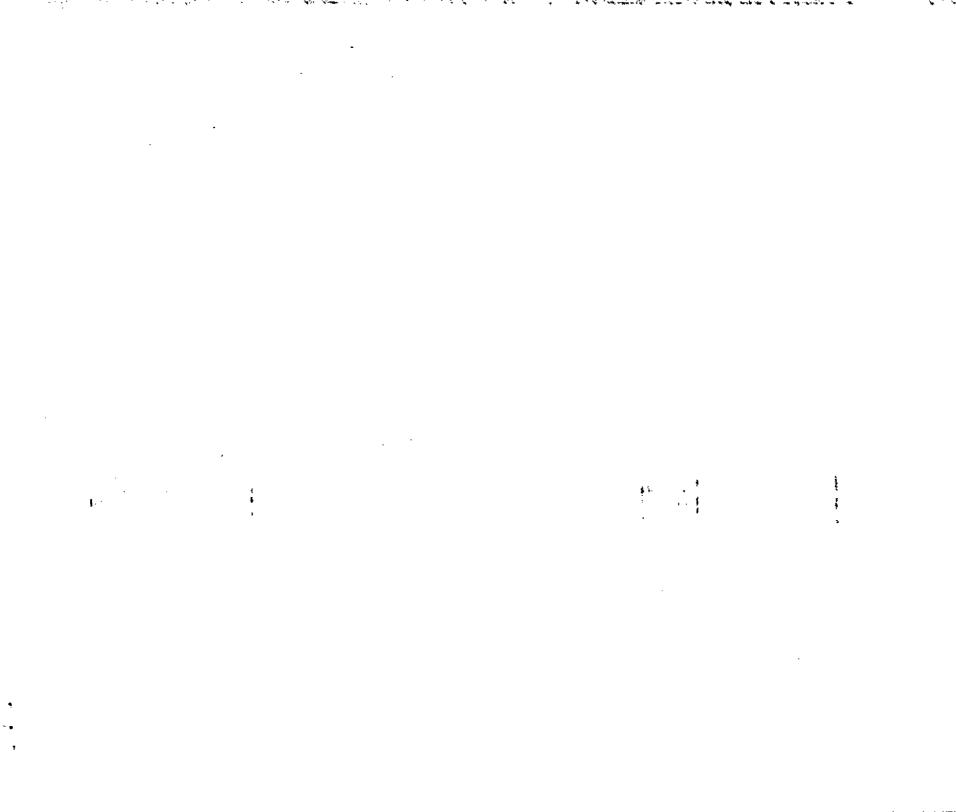
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wichureal, 2013-01-30 10:29:08 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE SP CEPOD BODY RH Numéro Job: 48901 Numéra DKC i 34-0071 Numéro Job: # Seq.: Machine ou Opération: Date:/// /Ksceau 24.0 AAC1492 N° P-15-3, Adtech Micro Ultra F./e Comment 0.050 GALLON(s)/Unit Total: Qty.: 0.050 GALLON(s) N° P-15-3, Adtech Micro Ultra Filler # de Lot: 1-40372-25.0 FINITION Finition Générale Comment Setup: 0.00Hrs/ Run: 30.0000Min Total Run: 0.5000Hrs Usiner les foam core selon IF134-0020 26.0 Résine (411B7530) 411-350 pic 10, 75m/n. Comment 1.600 KILOGRAMME(s)/Unit Total: Qty.: 1.600 KILOGRAMN Résine (411B7530) 411-350 promo. 75min. N° de Lot 1-39 > 2-7 27.0 AMB0286 Catalyst N° DDM-9 Comment Qty.: 0.0536 GALLON(s)/Unit 'Total: 0.0536 GALLON(s) Catalyst N° DDM-9 N° de Lot: 1-27829-1 28.0 Faire le laminage Setup: 0.00Hrs/ Run: 90.0000Min Total Run: 1.5000Hrs Comment Laminer les plis de 9oz selon IF134-0020 29.0 Comment Setup: 0.00Hrs/ Run: 60.0000Min Total Run: 1.0000Hrs Faire le taillage selon IF134-0(30.0 Catalyst N° DDM-9 Comment 0.0144 GALLON(s)/Unit / Total: Qty.: 0.0144 GALLON(s) Catalyst N° DDM-9 N° de Lot: 1-27829 - / 31.0 AAC1540 Fibre de verre Miapoxy 66 Comment Qty.: 0.0420 GALLON(s)/Unit Total: 0.0420 GALLON(s) Fibre de verre Miapoxy 66 N° de Lot: 1-37956 -



Date: Mercredi, 2013-01-30 10:29:08 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE SHACEPOD BODY RH Numéro Job: 48901 DKC134-0071 Numéro Numero Job: #Séq.: Machine ou Opération: AMB0212 Résine (41187530) 411-350 p -- 0. 75min. Comment City.. 0.450 KILOGRAMME(s)/Unit Total: 0.450 KILOGRAMME(s) Résine (411B7530) 411-350 promo. 75min. 33.0 LAMINAGE Faire le laminage Comment Setup: 0.00Hrs/ Run; 55.0000Min Total Run; 0.9167Hrs Faire le laminage des derniers plis 9oz selon IF134-0020. 4435 4 AAC1610 Spacer Nº D2213 Comment Qty.: 1 UNITE(s)/Unit Total: 1 UNITE(s) Spacer N° D2213 I = 3947/-/ N° de Lot: 35.0 ASSEMBLAGE Assemblage mécanique Comment Setup: 0.00Hrs/ Run: 45.0000Min Total Run: 0.750DHrs Faire l'assemblage des inserts selon IG 0097 Date: 16-04 Sceau: 36.0 AAC1021 Comment Qty.: 0.5000 UNITE(s)/Unit 0.5000 UNITE(s) Total: Dupont Primer N° 7704S N° de Lot; / ~ 37307 37.0 AAC1101 N° 7775S, Dupont Activator - Red : 31 milliomabase Comment Qty.: 0.0283 UNITE(s)/Unit Total: 0.0283 UNITE(s) N° 7775S, Dupont Activator - Reducer Chromabase 38.0 Finition Générale Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Préparer la pièce selon IG 0008. 39.0 Application primer Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Préparer et appliquer le primer selon IG 0008. Date: 19-04613Sceau: # de fiche de mélange: /U

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Date: Mercredi, 2013-01-30 10:29:08 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE S - CEPOD BODY RH Numero Job: 48901 Numéro 1140134-0071 Numéro Job: # Séq.: Machine ou Opération: 40.0 AAC1492 N° P-15-3, Adtech Micro Ultra r Comment 0.010 GALLON(s)/Unit Total: Qty.: 0.010 GALLON(s) N° P-15-3, Adtech Micro Ultra Filler # de Lot: 1 - 40 373 -1 41.0 FINITION Comment Setup: 0.00Hrs/ Run: 90.0000Min Total Run: 1.5000Hrs Faire les réparations de finition s'il y a lieu selon IG 0008. Date 23 . 0 4-/ Sceau: 42.0 AAC1021 Dupont Primer N° 7704S Comment Qty.: 0.5000 UNITE(s)/Unit Total: 0.5000 UNITE(s) Dupont Primer N° 7704S N° de Lot: 1-37302-43.0 AAC1101 N° 7775S, Dupont Activator - R. cer Chromabase Comment Qty.: 0.0283 UNITE(s)/Unit Total: 0.0283 UNITE(s) N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot 1-3', 302-44.0 PRIMER Application primer Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Préparer et appliquer le primer selon IG 0008. 35/# de fiche de mélange: Date 14-4-13 Sceau: 45.0 Inspection finale Comment Faire l'inspection générale de la pièce selon le dessin par le département de la qualité. 46.0 Epidaliage & Entreposage Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Faire l'emballage selon IG 0057.

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